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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Sakuma, K., et al.
Appl. No.:	Unknown
Filed:	January 29, 2002
Title:	Manufacturing Method For Optical Coupler/Splitter And Method For Adjusting Optical Characteristics of Planar Lightwave Circuit Device
Art Unit:	Unknown
Examiner:	Unknown
Docket No.:	113197-023

Assistant Commissioner for Patents
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 37 C.F.R. 1.97, and 37 C.F.R. 1.98, Applicants request that a citation and examination of the references cited below, and on the attached PTO-1449 form, copies of which are enclosed, be made during the course of examination of the above-identified application for United States patent.

U.S. PATENT DOCUMENTS

Document No.	Date	Inventor
5,978,538	November 2, 1999	Miura et al.
6,154,593	November 28, 2000	Miura et al.

FOREIGN PATENT DOCUMENTS

Document No.	Date	Country
9-311237	December 2, 1997	Japan
10-288799	October 27, 1998	Japan
11-167036	June 22, 1999	Japan
11-231151	August 27, 1999	Japan

OTHER DOCUMENTS

Davis, K., et al., "Writing waveguides in glass with a femtosecond laser," Optics Letters, Vol. 21, No. 21, November 1, 1996, pp. 1729-1731.

Miura, K., et al., "Photowritten optical waveguides in various glasses with ultrashort pulse laser," Applied Physics Letter, Vol. 71, No. 23, December 8, 1997, pp. 3329-3331.

Miura, K., et al., "Photo-Induced Refractive Index Changes in Glasses with Ultra-Short Pulse Laser," Laser Review, February, 1998, pp. 150-154.

Miura, K., "Photowritten Optical Waveguide in Various Glasses with a Femtosecond Laser," Hirao Active Glass Project NEWS Final, August 1999, pp. 5-12.

Miura, K., et al., "Preparation and optical properties of fluoride glass waveguides induced by laser pulses," Journal of Non-Crystalline Solids 256&257, 1999, pp. 212-219.

Homoelle, D., et al., "Infrared photosensitivity in silica glasses exposed to femtosecond laser pulses," Optics Letters, Vol. 24, No. 18, September 15, 1999, 1999, pp. 1311-1313.

Kondo, Y., et al., "Glass machining by femtosecond laser pulses," Jpn. Journal Applied Physics, Vol. 69, No. 4, 2000, pp. 411-414.

Streltsov, A., et al., "Fabrication and analysis of a directional coupler written in glass by nanojoule femtosecond laser pulses," Optics Letters, Vol. 26, No. 1, January 1, 2001, pp. 42-43.

Schaffer, C., et al., "Micromachining bulk glass by use of femtosecond laser pulses with nonojoule energy," Optics Letters, Vol. 26, No. 2, January 15, 2001, pp. 93-95.

Schaffer, C., et al., "Micromachining using ultrashort pulses from a laser oscillator," Optics & Photonics News, April 2001, pp. 20-23.

Sudrie, L., et al., "Study of damage in fused silica induced by ultra-short IR laser pulses," Optics Communications 191, May 8, 2001, pp. 333-339.

Minoshima, K., et al., "Femtosecond nonlinear fabrication of glass photonic devices by an unamplified laser," The 8th International Workshop on Femtosecond Technology, June 28-29, 2001, Tsukuba, Japan, pp. 159.

Efimov, O., et al., "Waveguide writing in chalcogenide glasses by a train of femtosecond laser pulses," Optical Materials 17, (2001), pp. 379-386.

Some of these cited references are in the Japanese language. English abstracts are included for all those references except for the reference Kondo, Y., et al., Glass machining by femtosecond laser pulses," Jpn. Journal Applied Physics, Vol. 69, No. 4, 2000, pp. 411-414.

Applicants look forward to early and favorable consideration of this matter.

Respectfully submitted,

BELL, BOYD & LLOYD LLC

BY _____

Michael S. Leonard
Reg. No. 37,557
P.O. Box 1135
Chicago, Illinois 60690-1135
Phone: (312) 807-4270

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) PTO Form 1449	Atty Docket No. 113197-023	Application No. Unknown
	Applicant Sakumo, K., et al.	
	Filing Date January 29, 2002	Group Unknown

U.S. PATENT DOCUMENTS							
Examiner's Initials		Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
		5,978,538	11-2-99	Miura et al.			
		6,154,593	11-28-00	Miura et al.			

FOREIGN PATENT DOCUMENTS								
Examiner's Initials		Document Number	Publication Date	Country	Class	Subclass	Translation Yes	Translation No
		9-311237	12-2-97	Japan				
		10-288799	10-27-98	Japan				
		11-167036	6-22-99	Japan				
		11-231151	8-27-99	Japan				

Examiner's Initials		OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*
		Davis, K., et al., "Writing waveguides in glass with a femtosecond laser," Optics Letters, Vol. 21, No. 21, November 1, 1996, pp. 1729-1731.
		Miura, K., et al., "Photowritten optical waveguides in various glasses with ultrashort pulse laser," Applied Physics Letter, Vol. 71, No. 23, December 8, 1997, pp. 3329-3331.
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		Kondo, Y., et al., "Glass machining by femtosecond laser pulses," Jpn. Journal Applied Physics, Vol. 69, No. 4, 2000, pp. 411-414.
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